U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report No. 82-3-38

Issued: 8-23-82

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, SUMTER NATIONAL FOREST, SOUTH CAROLINA

LAND OWNERSHIP OR SURVEY AREA: Sumter National Forest, Long Cane & Edgefield Ranger Districts

STATE: South Carolina

AREA WITHIN SURVEY BOUNDARY: 431,000 acres

DATE: August 20, 1982

PERCENT COVERAGE: 100%

AIRCRAFT: Cesnna 172RG

CREW: R.F. Bassett & E.T. Wilson

SURVEY OBJECTVIES

The aerial survey was flown to detect and locate southern pine beetle activity on the Long Cane and Edgefield Ranger Districts of the Sumter National Forest.

SURVEY RESULTS

A total of 47 spots with red and fading pines were observed and mapped within the Long Cane and Edgefield Ranger Districts (Table I). Thirty-seven (73%) of the spots occurred on the Long Cane District. A composite map showing southern pine beetle infestations was sent to the Long Cane District office for their attention.

CONCLUSION

Southern pine beetle activity is increasing on the Long Cane District with spots occurring both on federal and private lands. The majority of the spots within the Edgefield District occurred on private lands.

The Asheville office of Forest Pest Management has been notified of the southern pine beetle outbreak and the biological evaluation process has been initiated.

For additional information, contact:

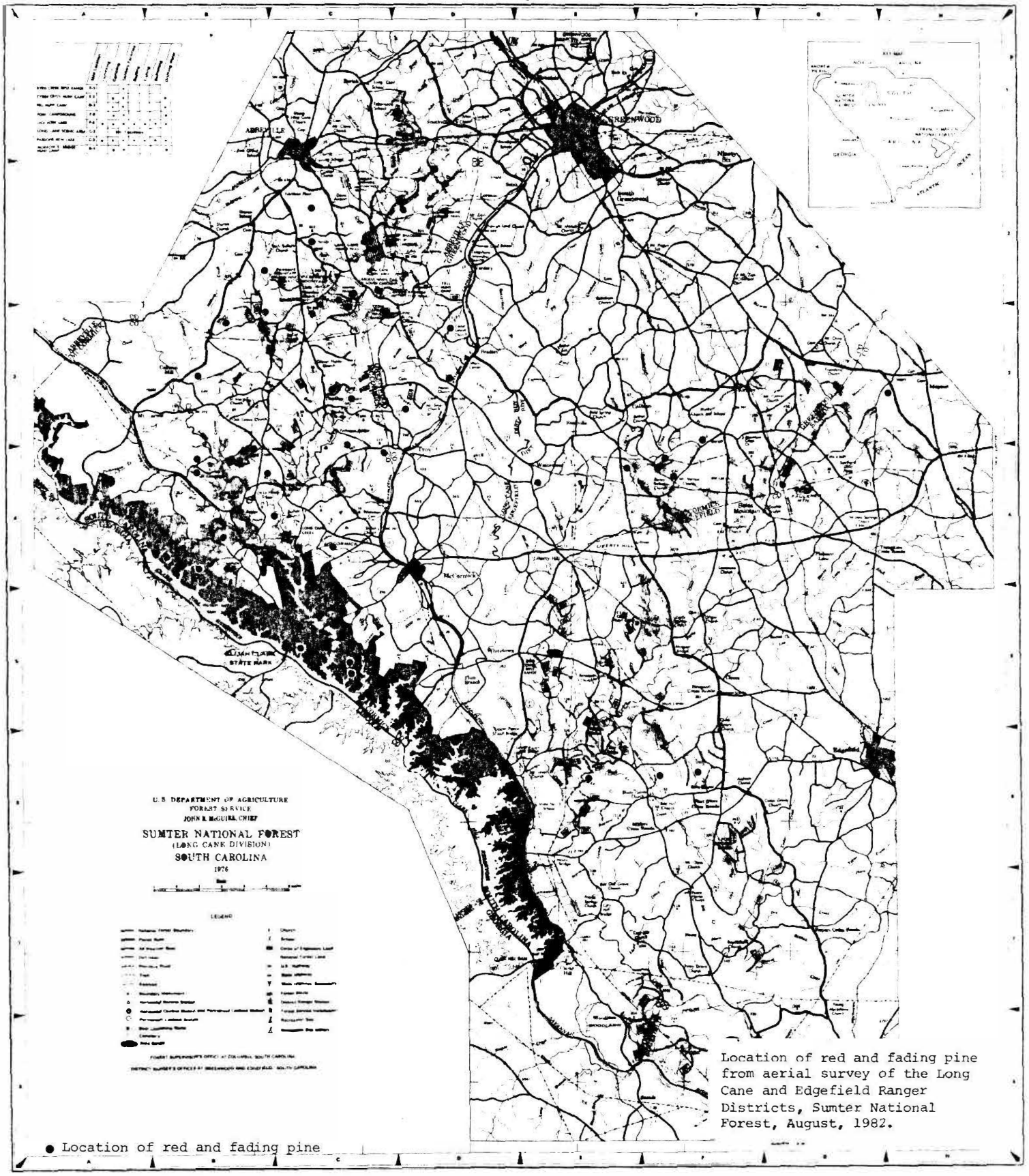
USDA Forest Service FPM
3620 Interstate 85, N.E.
Northgate Office Park, Room 2103
Doraville, GA 30340
Telephone: 404/221-4796

or

USDA Forest Service FPM
P.O. Box 5895
Asheville, NC 28803
Telephone: 704/258-2850

Table I: Summary of Aerial Survey Data, Sumter National Forest, Long Cane & Edgefield Districts, August 20, 1982

Ownership:	Long Cane District Number of Red & Fading Trees by Spot Size -SPOT SIZE- 3 - 5 Trees	6 - 10 Trees	11 - 25 Trees	26 - 50 Trees	50+ Trees
	Spots	Spots	Spots	Spots	Spots
State & Private	6	3	5	3	0
Federal	5	5	6	4	0
TOTAL	11	8	11	7	0
	Edgefield District				
Private	4	0	4	1	0
Federal	1	0	0	0	0
TOTAL	5	0	4	1	0



Location of red and fading pine from aerial survey of the Long Cane and Edgefield Ranger Districts, Sumter National Forest, August, 1982.